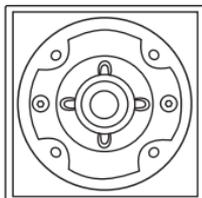


**Colour camera
for flush-mounted outdoor station
1265 ..**

GIRA

Device description



The colour camera is part of the Gira door communication system and is used for the expansion of the flush-mounted outdoor station.

The colour camera boasts the following product features:

Automatic day/night switching

The camera switches from daytime operation (colour presentation) to night mode (black and white presentation) and back again at an ambient brightness of 1 lux. Good display results are achieved due to the high-degree of light sensitivity in night mode, even with poor lighting conditions (up to 0.1 lux).

The integrated white LEDs ensure an even field of view illumination in night mode.

Large range of coverage

The colour camera can be swivelled manually by 20° horizontally and vertically during start-up. A very large field of view in the door entry area results in conjunction with the 100° range of coverage of the camera.

Camera heating

The integrated temperature-dependent camera heating prevents condensation from forming on the camera cover due to changing climactic conditions and thus provides a clear view.

Camera cover

The splash water-resistant cover made of impact-resistant plastic can be easily replaced if damaged, e.g. through vandalism.

Selection of the installation site

The selection of the installation site and good illumination are critical for good picture quality.

No background lighting

Do not point the camera toward strong background lighting, such as streetlamps or yard illumination. Prevent strong sunlight from hitting the lens.

Picture background

Avoid pointing the camera toward extremely light picture backgrounds and backgrounds with stark contrasts.

Illumination

LEDs integrated in the camera provide even field of view illumination in the darkness.



Black and white mode in poor lighting conditions

In poor lighting conditions (< 1 lux) or with the field of view illumination switched on, the colour camera provides black and white pictures only.

If the entry area is equipped with additional illumination, ensure that the light source does not shine directly into the camera lens from the front. The best installation site of an external light source is above the colour camera.

Installation height

The recommended installation height of the colour camera is 1.50 m. At this installation height, people with an average height of 1.80 m are presented optimally.

The minimum installation height is 1.20 m.



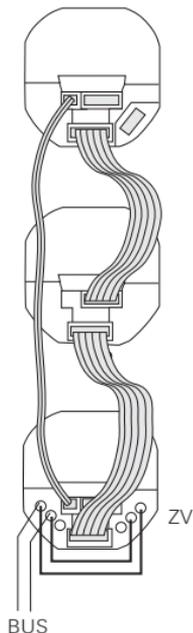
Attention

Installation and mounting of electrical devices may only be carried out by a qualified electrician.

Do **not** use the sealing rings included with the TX_44 frame when installing flush-mounted inserts.

The colour camera is operated together with a flush-mounted outdoor station:

1. Insert the 6-pole audio connection cable into a system connector of the flush-mounted outdoor station.
2. Insert the 2-pole video connection cable into the video slot of the bus coupler of the outdoor station.



Bus coupler jumpers

The wire jumpers at the bus coupler of the outdoor station between BUS and ZV are required for the operation of the colour camera. Thus the illumination of the call push buttons at the outdoor station cannot be switched off.

3. Guide both connection cables into the flush-mounted installation box of the colour camera and insert both connection cables into the flush-mounted insert of the colour camera.



Colour marking on camera insert and top unit

To avoid mix-ups, the camera inserts and top units are marked with a red dot.

4. Install the camera insert.
5. Place the bottom section of the TX_44 cover frame in place and attach the camera top unit and the central inserts of the outdoor station to the flush-mounted inserts.
6. Set the camera lens in the desired direction (see "Setting range of coverage", Page 8).
7. Remove the protective film on the lens.
8. Attach the camera cover.
9. Clip on the frame top section and press in the Torx screws.



Measures for theft protection

To protect the outdoor station from theft, you can secure the bottom section of the TX_44 frame to the wall with screws and screw plugs.

Instead of using Torx screws, you can also use the optional Tri-Wing screws to secure the top section of the frame.

Start-up

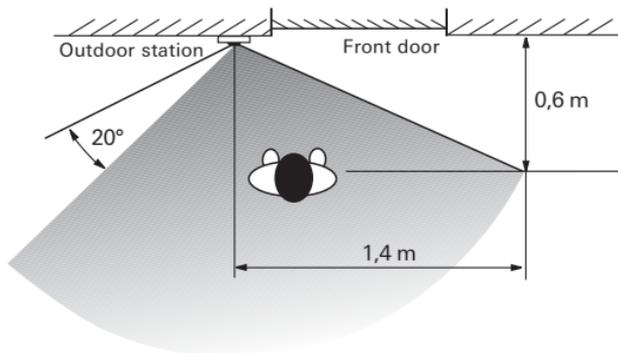
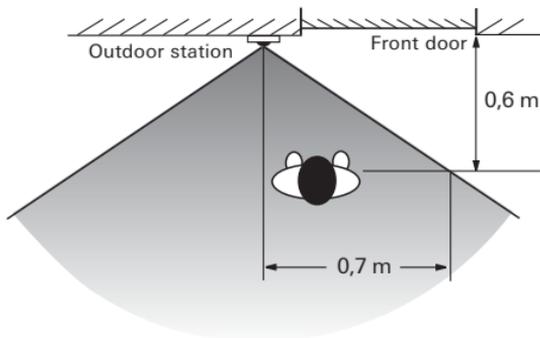
Once you have installed all of the devices (outdoor and home stations, video control unit etc.), you can start up the door communication system.

Start-up is described in the system manual included with the video control unit.

Range of coverage of the colour camera

The CCD sensor element of the Gira colour camera has an angular coverage of 100° .

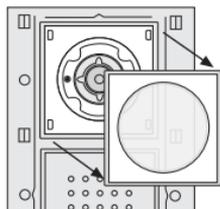
If this angular coverage is not sufficient for your installation scenario, you can swivel the area to be captured by 20° in all directions.



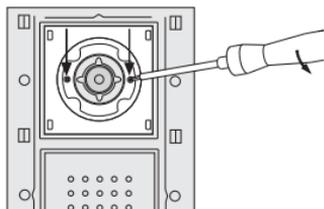


Protective lens film

The protective film on the lens of the colour camera protects the sensitive optics from scratches and soiling. Leave this film on the lens as long as possible and avoid touching the lens directly after the protective film has been removed.



1. Remove (with the TX_44 frame open) the cover from the colour camera.



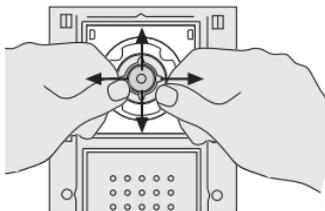
2. Loosen both Torx screws to the left and right of the camera lens.



Do not screw the screws out completely!

When adjusting the lens carrier, it is sufficient to slightly loosen the screws.

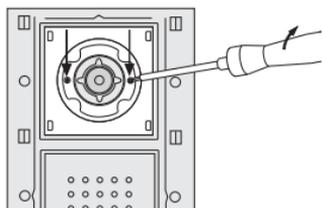
Do **not** completely unscrew the screws from their brackets.



3. Set the camera lens in the desired direction.

4. At the TFT display of the connected home station, check whether the set angle of the camera lens is adjusted properly and whether the view of the person in front of the door is optimal.

5. Lock the lens carrier by tightening both Torx screws again.



6. Remove the protective film on the lens.

7. Reattach the camera cover.

8. Clip on the frame top section and press in the Torx screws.

Technical data

Power supply:	2 cameras via video control unit 3rd and 4th camera via external additional supply (24 V DC)
Connections of camera insert:	2 system bus plug strips 1 video plug strip 1 plug strip connection for future applications
Image capture element:	CCD sensor 1/3"
Wide-angle objective:	150° aperture angle
Visible range of coverage:	100° angular coverage of the camera
Detectable area:	140° (with 20° swivelling)
Colour system:	PAL
Pixels:	500 (H) x 582 (V)
Horizontal resolution:	380 TV lines
Switching threshold colour to B/W operation:	1 lux
Light sensitivity in B/W operation:	0.1 lux
Electronic shutter close time:	up to 1/100000 s
Camera inst. height - min. height:	1.20 m
Recommended installation height:	1.50 m
Temperature range:	-20 °C to +50 °C

Acceptance of guarantee

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade).

They will forward the devices to the Gira Service Center.

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